_\$2

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SOR

\$	00000000 00000000 00000000	RRRRR	RRRRRRR RRRRRRR RRRRRRR		33333333 33333333 333333333	22222222 22222222 222222222	
SSS	000 000		RRR	777	333 333333333	222 222 222	
\$\$\$	000 000		RRR	777	333 333	222 222	
ŠŠŠ			RRR	1 1 1 7 7 7		222 222	
\$\$\$				111	333 333	222 222	
222	000 000		RRR	111	333	222	
SSS	000 000		RRR	111	333	222	
SSS	000 000		RRR	111	333	222	
\$\$\$\$\$\$\$\$\$	000 000		RRRRRRR	111	<u> </u>	222	
SSSSSSSS	000 000		RRRRRRR	ĬĬĬ	<u> </u>	222	
SSSSSSSS	000 000) RRRRF	RRRRRRRR	777	333	222	
SSS	000 000	RRR	RRR	TTT	333	222	
SSS	000 000	RRR	RRR	TTT	333	222	
SSS	000 000	RRR	RRR	TTT	333	222	
ŠŠŠ	000 000		RRR	TTT	333 333	222	
ŠŠŠ	000 000		RRR	ŤŤŤ	333 333	222	
ŠŠŠ	000 000		RRR	ŤŤŤ	333 333	222	
SSSSSSSSSS	00000000	RRR	RRR	ŤŤŤ	33333333	2222222222222	
\$\$\$\$\$\$\$\$\$\$\$\$	00000000	RRR	RRR	ŤŤŤ	33333333	22222222222222	
55555555555	00000000	RRR	RRR	ŤŤŤ	33333333	222222222222222	

SOR

SOR

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)))))))))

\$	000000 00 00 00 00	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	RRRRRRR RRRRRRR RR RR RR RR RR RR RR RR RRRRRR	NN NN NN NN NN NN NN NN NNNN NN NNNN NN NN NN NN NN NN NN NN	VV	EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
		\$					

G 12 SORSTRN_VEC Table of contents Transfer Vector for Sort/Merge 16-SEP-1984 01:18:27 VAX/VMS Macro V04-00 Page 0 (1) (1) (2) 3 29 57 Copyright Notice Program description Transfer Vector

H 12

SORSTRN_VECV04-000

.SBTTL Program description

23333333333334444 FACILITY:

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0000 0000 Transfer vector for VAX-11 Sort/Merge

ABSTRACT:

NONE **ENVIRONMENT:**

Native mode, User mode, AST reentrant

AUTHOR:

Peter D Gilbert, May 1982

I 12

MODIFIED BY:

T03-015 Original
T03-016 Added the SOR\$DO MERGE entry point. PDG 9-Dec-1982
T03-017 Don't bother padding to a full page. PDG 7-Jan-1983
T03-018 Changed the name of SOR\$STAT. PDG 3-Mar-1983
V03-042 Change Ident. PDG 28-Apr-1983

48 M 49 50 51 52 53 54 55 55

```
J 12
                                                         16-SEP-1984 01:18:27
5-SEP-1984 03:37:42
Transfer Vector for Sort/Merge
                                                                                       VAX/VMS Macro V04-00
[SORT32.SRC]SORTRNVEC.MAR;1
Transfer Vector
                                 .SBTTL Transfer Vector
                  58
59
       ŎŎŎŎ
       0000
                                 ; This macro expands into a transfer vector item for each entry point
       ŎŎŎŎ
                  6012345678
                                 MACRO TRNVEC
       0000
       ŎŎŎŎ
                                 .ALIGN QUAD .EXTERNAL
       ŎŎŎŎ
       ŎŎŎŎ
                                 .TRANSFER
       ŎŎŎŎ
                                 .MASK
       0000
                                                       A+2
       ŎŎŎŎ
                                            TRNVEC
                                 .ENDM
       ŎŎŎŎ
                  69
       0000
                                 .DSABL
                                            GBL
                                                                   ; Globals must be explicitly declared
                  70
       0000
                  71
 0000000
                                 .PSECT
                                            SOR$RO_CODE
                                                                   NOVEC, NOWRT, RD, EXE, SHR, LCL, REL, CON, PIC, LONG
                  72
73
74
75
       0000
                      SOR_TRANSFER:
TRNVEC
       ŎŎŎŎ
                                            SORSBEGIN_MERGE
SORSBEGIN_SORT
SORSEND_SORT
SORSEND_SORT
SORSELEASE_REC
SORSETURN_REC
SORSSORT_MERGE
SORSSPEC_FILE
SORSINIT_SORT
SORSINIT_MERGE
SORSSIAT
       0000
       0008
                                 TRNVEC
                  76
77
       0010
                                 TRNVEC
       0018
                                 TRNVEC
                  78
79
       0020
                                 TRNVEC
       0028
0030
                                 TRNVEC
                  80
                                 TRNVEC
       0038
                  81
82
83
84
85
87
                                 TRNVEC
       0040
                                 TRNVEC
       0048
                                 TRNVEC
       0050
                                 TRNVEC
                                            SOR$STAT
       0058
                                 TRNVEC
                                            SOR$DO_MERGE
       0060
                                 .BLKB
                                            512-<.=SOR_TRANSFER>
                                                                              ; Pad to full page
       0060
```

.END

0060

SORSTRN_VEC

V04-000

```
K 12
                                                                                    16-SEP-1984 01:18:27 VAX/VMS Macro V04-00 [SORT32.SRC]SORTRNVEC.MAR;1
SORSTRN VEC
                                     Transfer Vector for Sort/Merge
Symbol Table
SORSBEGIN_MERGE
SORSBEGIN_SORT
                                     Ŏi
SORSDO_MERGE
                                     Ŏĺ
                    ......
SORSEND SORT
SORSINIT MERGE
SORSINIT SORT
SORSPASS FILES
                                     Ŏ1
                    ******
                                     Ŏ1
                    ******
                                     Ŏ1
                    ......
                                     Ŏ1
                    ******
SORSRELEASE REC
SORSRETURN REC
                                     Ŏ1
                    ******
                                     Ŏi
                    ******
SORSSORT_MERGE
                                     Ŏi
                    ******
SOR$SPEC_FILE
                                     Ŏ1
                    ******
                                     Ŏ1
SOR$STAT
                    *******
SOR_TRANSFER
                    00000000 R
                                                         Psect synopsis
PSECT name
                                     Allocation
                                                            PSECT No.
                                                                        Attributes
                                     00000000
                                                                        NOPIC
   ABS
                                                                  0.)
                                                                                                      LCL NOSHR NOEXE NORD
                                                                                                                               NOWRT NOVEC BYTE
SOR$RO_CODE
                                     00000060
                                                                  1.)
                                                                          PIC
                                                     96.)
                                                            01 (
                                                                                 USR
                                                                                        CON
                                                                                               REL
                                                                                                             SHR
                                                                                                                   EXE
                                                                                                                               NOURT NOVEC LONG
                                                                                                                          RD
                                                      Performance indicators
Phase
                             Page faults
                                              CPU Time
                                                               Elapsed Time
                                              00:00:00.03
                                                               00:00:00.98
Initialization
                                              00:00:00.45
                                                               00:00:04.67
Command processing
Pass 1
                                      77
                                                               00:00:02.92
                                              00:00:00.45
                                                               00:00:00.00
Symbol table sort
                                              00:00:00.00
                                      33
                                                               00:00:01.19
Pass 2
                                              00:00:00.22
Symbol table output
Psect synopsis output
                                              00:00:00.01
                                                               00:00:00.01
                                              00:00:00.03
                                                               00:00:00.14
                                              00:00:00.00
                                                               00:00:00.00
Cross-reference output
Assembler run totals
                                              00:00:01.20
                                                               00:00:09.92
The working set limit was 900 pages.
1791 bytes (4 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 13 non-local and 0 local symbols.
88 source lines were read in Pass 1, producing 9 object records in Pass 2. 1 page of virtual memory was used to define 1 macro.
                                                    Macro library statistics !
Macro library name
                                                    Macros defined
_$255$DUA28:[SYSLIB]STARLET.MLB:2
                                                                0
O GETS were required to define O macros.
```

There were no errors, warnings or information messages.

L 12 Transfer Vector for Sort/Merge SORSTRN VEC VAX-11 Macro Run Statistics 16-SEP-1984 01:18:27 VAX/VMS Macro V04-00 5-SEP-1984 03:37:42 [SORT32.SRC]SORTRNVEC.MAR;1 MACRO/DISABLE=TRACE/LIS=LIS\$:SORTRNVEC/OBJ=OBJ\$:SORTRNVEC MSRC\$:SORTRNVEC/UPDATE=(ENH\$:SORTRNVEC)

0366 AH-BT13A-SE

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